

Master Advanced PL/SQL Programming Techniques for Oracle Database 12c

Oracle Database 12c introduces a host of new features and enhancements that can significantly improve the performance and scalability of your database applications. One of the most important new features is the of advanced PL/SQL programming techniques.

PL/SQL is a powerful programming language that can be used to extend the functionality of Oracle Database. With PL/SQL, you can create stored procedures, functions, triggers, and packages that can be used to automate tasks, improve performance, and enhance the security of your database applications.



Oracle Database 12c PL/SQL Advanced Programming Techniques by Michael McLaughlin

★★★★☆ 4.4 out of 5

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Enhanced typesetting : Enabled
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In Oracle Database 12c, PL/SQL has been enhanced with a number of new features that make it even more powerful and versatile. These new features include:

- **Support for object-oriented programming:** PL/SQL now supports object-oriented programming, which allows you to create and use classes and objects in your PL/SQL code.
- **Improved error handling:** PL/SQL now provides improved error handling capabilities, which make it easier to trap and handle errors in your code.
- **New performance tuning features:** PL/SQL now includes a number of new performance tuning features that can help you improve the performance of your database applications.
- **Enhanced security features:** PL/SQL now includes a number of new security features that can help you protect your database applications from unauthorized access.

If you are a PL/SQL developer, then it is essential that you learn about the new features and enhancements in Oracle Database 12c. These new features can help you to improve the performance, scalability, and security of your database applications.

This book will teach you everything you need to know about advanced PL/SQL programming techniques in Oracle Database 12c. You will learn how to use the new object-oriented programming features, improved error handling capabilities, new performance tuning features, and enhanced security features. You will also learn how to use PL/SQL to create stored procedures, functions, triggers, and packages.

By the end of this book, you will be a master of advanced PL/SQL programming techniques and you will be able to use PL/SQL to create powerful and efficient database applications.

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Chapter 1: to Advanced PL/SQL Programming

This chapter provides an overview of advanced PL/SQL programming techniques. You will learn about the new features and enhancements in Oracle Database 12c that make PL/SQL more powerful and versatile than ever before.

Chapter 2: Object-Oriented Programming in PL/SQL

This chapter introduces object-oriented programming (OOP) in PL/SQL. You will learn how to create and use classes and objects in your PL/SQL code. OOP can help you to organize your code more effectively and improve the performance of your database applications.

Chapter 3: Error Handling in PL/SQL

This chapter discusses error handling in PL/SQL. You will learn how to trap and handle errors in your code using the new error handling capabilities in Oracle Database 12c.

Chapter 4: Performance Tuning in PL/SQL

This chapter provides tips and techniques for performance tuning PL/SQL code. You will learn how to identify and fix performance bottlenecks in your code.

Chapter 5: Security in PL/SQL

This chapter discusses security in PL/SQL. You will learn how to protect your database applications from unauthorized access using the new security features in Oracle Database 12c.

Chapter 6: Stored Procedures in PL/SQL

This chapter introduces stored procedures in PL/SQL. You will learn how to create and use stored procedures to encapsulate complex business logic in your database applications.

Chapter 7: Functions in PL/SQL

This chapter introduces functions in PL/SQL. You will learn how to create and use functions to perform calculations and other operations in your database applications.

Chapter 8: Triggers in PL/SQL

This chapter introduces triggers in PL/SQL. You will learn how to create and use triggers to automatically execute code when events occur in your database.

Chapter 9: Packages in PL/SQL

This chapter introduces packages in PL/SQL. You will learn how to create and use packages to group related PL/SQL code into logical units.

Chapter 10: Cursors in PL/SQL

This chapter introduces cursors in PL/SQL. You will learn how to create and use cursors to iterate through sets of data in your database.

I hope you enjoy this book and that it helps you to master advanced PL/SQL programming techniques in Oracle Database 12c.



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